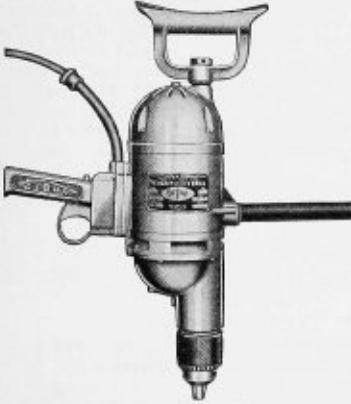


## PORTABLE ELECTRIC DRILLS

## SIOUX

The drill body of Sioux drills is an aluminum die casting, with steel inserts which support the ball bearings, unusually tough, has a smooth hard surface which will not collect grease. Balanced power distributes the load more evenly. Each drill combines a powerful motor in a well balanced unit for general shop work. Gear case and armature ball bearings are permanently oil packed and sealed. Helical gears give additional strength as there are more teeth in mesh at the same time and the load is more evenly distributed. They are much quieter and smoother in operation, vibration and sudden shock are eliminated. Gears are made of chrome nickel steel and are heat-treated to increase durability. A correctly designed system of ventilation prevents over-heating even with the drill in long continuous use. Momentary switch with a special locking device—arranged so that switch may be held in contact by means of a trigger or by locking the contact when in use for a period of time. Provided with a 110 volt A.C. or D.C. universal motor and 15 feet of three conductor cord and plug; third wire is for grounding.



## 3/4 Inch Heavy Duty

Each

No. 1575—Cap. in steel  $\frac{1}{2}$  to  $\frac{3}{4}$  in.; cap. in wood up to  $1\frac{1}{2}$  in.; no load speed 400 R.P.M.; length over all 23 in.; complete with  $\frac{3}{4}$  in. three jaw chuck and key; shipping wt. each 35 lbs....\$85.00

## 5/8 Inch Heavy Duty

Each

No. 1560—Cap. in steel  $\frac{1}{2}$  to  $\frac{5}{8}$  in.; cap. in wood up to  $1\frac{1}{4}$  in.; no load speed 400 R.P.M.; length over all  $19\frac{1}{2}$  in.; complete with  $\frac{5}{8}$  in. three jaw chuck and key; shipping wt. each 32 lbs....\$75.00

## 5/8 Inch Heavy Duty

Each

No. 1550—Cap. in steel up to  $\frac{1}{2}$  in.; cap. in wood up to 1 in.; no speed load 525 R.P.M.; length over all  $18\frac{1}{4}$  in.; complete with  $\frac{1}{2}$  in. three jaw chuck and key; shipping wt. each 27 lbs....\$67.50

## 1/2 Inch Standard

Each

No. 1545—Cap. in steel up to  $\frac{1}{2}$  in.; cap. in wood up to 1 in.; no load speed 600 R.P.M.; length over all 18 in.; complete with  $\frac{1}{2}$  in. three jaw chuck and key; shipping wt. each 25 lbs....\$55.00

## 5/8 Inch Honing Drill

The proper drill to use for hones. It turns the hone at practical working speed and combines three outstanding features—power, speed and light weight.

Each

No. 1570—Cap. in steel up to  $\frac{5}{8}$  in.; cap. in wood up to  $1\frac{1}{4}$  in.; no load speed 450 R.P.M.; length over all  $19\frac{1}{4}$  in.; complete with  $\frac{5}{8}$  in. three jaw chuck and key; shipping wt. each 19 lbs....\$75.00

Note—All the above drills can be furnished with a Universal 220-volt A.C. or D.C. motor, or a 32 volt D.C. motor at the same price.

NOTE—All Prices on this Page are Dealers Net Prices.



## 3/4 Inch Heavy Duty

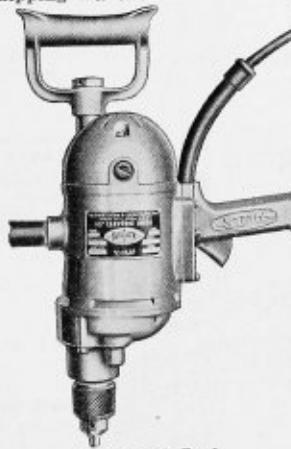
Each

No. 1525—Cap. in steel up to  $\frac{1}{4}$  in.; cap. in wood up to  $\frac{1}{8}$  in.; no load speed 1650 R.P.M.; length over all  $12\frac{1}{2}$  in.; complete with  $\frac{1}{4}$  in. three jaw chuck and key; shipping wt. each 12 lbs....\$45.00

## 5/8 Inch Standard

Each

No. 1500—Cap. in steel up to  $\frac{1}{4}$  in.; cap. in wood up to  $\frac{1}{2}$  in.; no load speed 2000 R.P.M.; length over all 12 in.; complete with  $\frac{1}{4}$  in. three jaw chuck and key; shipping wt. each 11 lbs....\$36.00



## Sioux 1/2 Inch

Each

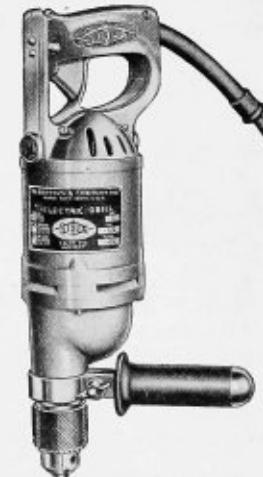
No. 1546—Cap. in steel up to  $\frac{1}{2}$  in.; cap. in wood up to 1 in.; no load speed 525 R.P.M.; length over all  $18\frac{1}{4}$  in.; complete with  $\frac{1}{2}$  in. three jaw chuck and key; shipping wt. each 23 lbs....\$43.50



## Sioux 5/8 Inch

Each

No. 1541—Cap. in steel up to  $\frac{5}{8}$  in.; cap. in wood up to  $\frac{3}{4}$  in.; no load speed 925 R.P.M.; length over all  $13\frac{1}{2}$  in.; complete with  $\frac{5}{8}$  in. three jaw chuck and key; shipping wt. each  $12\frac{1}{2}$  lbs....\$40.00



## Sioux 5/8 Inch

Each

No. 1537—Cap. in steel up to  $\frac{5}{8}$  in.; cap. in wood up to  $\frac{5}{8}$  in.; no load speed 1250 R.P.M.; length over all  $13\frac{1}{4}$  in.; complete with  $\frac{5}{8}$  in. three jaw chuck and key; shipping wt. each  $12\frac{1}{2}$  lbs....\$40.00

## PORTABLE ELECTRIC DRILLS

SIOUX



## 3/4 Inch Light Duty

A dependable, well balanced electric drill for general drilling. Designed for intermittent and light duty service. Built of same high quality material as used in all Sioux drills, aluminum die cast drill body, heat treated steel gears, and embodies the Sioux system of ventilation.

Provided with a 110 volt A.C. or D.C. motor and 10 ft. of cord.

Each

**No. 1480**—Cap. in steel up to  $\frac{3}{4}$  in.; cap. in wood up to  $\frac{5}{8}$  in.; no load speed 2000 R.P.M.; length over all  $10\frac{1}{2}$  in.;  $\frac{1}{4}$  in. cap. chuck; shipping wt. each 7 lbs. \$21.50

Little Sioux  $\frac{1}{2}$  Inch

This strong, sturdy, light-weight drill has more than enough power for every  $\frac{1}{2}$  in. drilling job. The clamp handle is adjustable, detachable and affords a way to secure perfect control, greater leverage, and ease in handling. Makes fast work of tough drilling jobs heretofore inaccessible.

Provided with a universal A.C. or D.C. motor and 15 ft. of three conductor cord and has all the features of the larger Sioux drills.

Each

**No. 1548**—Cap. in steel up to  $\frac{3}{4}$  in.; cap. in wood up to  $\frac{5}{8}$  in.; no load speed 525 R.P.M.;  $\frac{1}{2}$  in. three jaw chuck and key; shipping wt. each  $12\frac{1}{2}$  lbs. \$37.50

All Prices Dealers Net



## CYLINDER HONES

## HALL

## Model "H"

## For Wet or Dry Honing

Has micrometer adjustment. Any good  $\frac{1}{2}$  inch drill will carry it.

Equipped with three section driver, one set each of roughing and finishing stones; special dresser for fabric guides and instructions.

The only hone that can be operated either wet or dry. Cuts very fast dry and produces a glass smooth finish when used wet.

Each

**No. H**—Range  $2\frac{1}{2}$  to  $4\frac{1}{8}$  in.; wt. each 13 lbs. \$45.00

One in a box.

## EXTRA STONES FOR MODEL H

## For Wet or Dry Honing

(2 stones and 2 fabric guides.)

Per set

**No. 2UC**—Coarse ..... \$3.80

**No. 2UM**—Medium ..... 3.80

**No. 2UF**—Fine ..... 3.80

## For Wet Honing Only

(4 stones.) Per set

**No. 40UC**—Coarse ..... \$3.80

**No. 40UM**—Medium ..... 3.80

**No. 40UF**—Fine ..... 3.80

## Hall 500 Grit Super-Finishing Stones

Used after regular finishing stones, they produce a glass smooth finish. Per set

**No. 2SF**—Dry stones (2 stones and 2 guides) ..... \$4.50

**No. 4SF**—Wet stones (4 stones) ..... 4.50

## HALL HONING COMBINATION

Consists of model "H" hone, hone stand and vacuum system.

The model "H" hone when used dry should be used in combination with the Hall honing stand and Honovac for faster, finer, easier, safer and more profitable honing.

The Honovac saves time in cleaning up after honing and eliminates the possibility of damage to motor cylinders and operator from honing dust.

The honing stand handles all cylinder walls. Will not injure cylinder and permits honing a single cylinder without removing piston in adjacent cylinder.

Each

**No. HC**—Complete outfit consisting of Model "H" hone, Honovac and honing stand ..... \$87.50

All Prices Dealers Net

## WIRE WHEEL BRUSHES

## RED CENTER

## Standard

Recommended in all cases where a long sweep is required in cleaning deep corners, pits and irregular surfaces in fittings and casting of all kinds; for removing deposits of dirt or scale on irregular surfaces, for cleaning rust or deposits of hardened grease from pipe threads, valves and similar parts; corners in tanks, wall surfaces, engines or motor parts; steel drums and boiler fittings.

Nos.	412	612	812
Diam. brush, in.	4	6	8
Face width, in.	1	$1\frac{1}{4}$	$1\frac{3}{4}$
Weight each, lbs.	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Each	\$2.22	3.00	4.15

## Special

The "special," being denser and a more severe abrasive, is recommended in surfaces that cannot be readily cleaned with the standard. It is adaptable for cleaning hard scale and rust from drums, oil refinery fittings and general industrial equipment.

Nos.	422	622
Diameter brush, in.	$4\frac{1}{4}$	6
Face width, in.	$\frac{7}{8}$	$1\frac{1}{4}$
Wt. each, lbs.	$1\frac{1}{2}$	$2\frac{1}{4}$
Each	\$2.32	3.70

Nos.	822	1025
Diameter brush, in.	8	10
Face width, in.	$1\frac{1}{2}$	$3\frac{1}{2}$
Wt. each, lbs.	3	10
Each	\$4.60	14.35

## Heavy Duty

The "Heavy Duty" because of its very dense face, will accomplish a cutting almost equal to a coarse abrasive stone, yet by adapting itself to surface irregularities, permits cleaning without scoring. For removing scale, rubber, carbon, cement, it has no equal. However, it is not recommended for cleaning greasy fittings because of the tendency of the grease to pack the surface of the brush and interfere with its abrasion.

Nos.	432	632	832
Diam. brush, in.	$1\frac{1}{2}$	6	8
Face width, in.	1	$1\frac{1}{4}$	$1\frac{3}{4}$
Wt. each, lbs.	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{3}{4}$
Each	\$2.40	3.95	4.95

Nos.	1035	1036
Diam. brush, in.	10	10
Face width, in.	3	$3\frac{1}{2}$
Wt. each, lbs.	$11\frac{1}{2}$	$13\frac{3}{4}$
Each	\$15.10	17.90

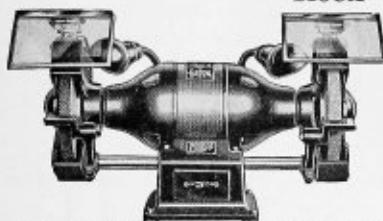
**Important**—Specify size of arbor hole required.

**Note**—All 4-inch Red Center wheels furnished with  $1\frac{1}{2}$  inch maximum arbor hole.

6 inch "Standard" wheels furnished with  $1\frac{1}{2}$  inch maximum arbor hole. All other wheels furnished with 2 inch maximum arbor hole.

## BENCH GRINDERS

SIOUX



## 10 Inch Heavy Duty

For production use and all general shop grinding and buffing. The long tapered housing allows ample clearance for passing the work in front of the motor. Heavy duty ball bearings are oil packed and sealed requiring no further lubrication.

Enclosed guards with 6x8 inch shatter-proof safety eye shields. Spark guards and tool rests which are adjustable for wheel wear. Conveniently located lights with shades. Two 10x1 in. with  $\frac{3}{4}$  in. hole grinding wheels, one fine, one coarse.

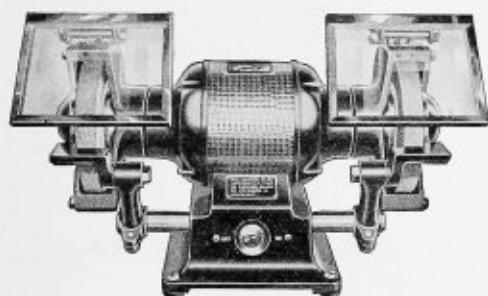
Equipped with one of the following motors—be sure to specify on order:  $\frac{3}{4}$  H.P., 110 or 220 volt A.C., 1, 2, or 3 phase, 60 cycle 1725 R.P.M., 50 cycle 1425 R.P.M. May also be furnished in 115 or 230 volt D.C., 2000 R.P.M. at a slight additional cost.

Each

No. 2050—10 in. grinder;  $\frac{3}{4}$  H.P. motor; wt. each 200 lbs... \$98.00

No. 2049—Same as above but equipped with a heavy cast iron pedestal with water pot and tool tray; wt. each 350 lbs. .... 122.00

No. 2054—Pedestal only; wt. each 150 lbs. .... 24.00



## 7 Inch Heavy Duty

A heavy duty ball bearing grinder. Ball bearings are oil packed and sealed, requiring no further lubrication.

Provided with enclosed type guards and safety eye shields. Complete as shown, two 7x1x $\frac{5}{8}$  in. grinding wheels, one fine and one coarse; electric cord, switch and plug.

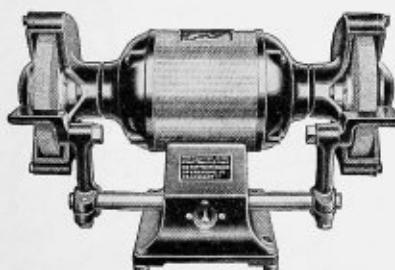
Complete as shown, two 7x1x $\frac{5}{8}$  in. grinding wheels, one fine and one coarse; electric cord, switch and plug.

Equipped with one of the following motors—be sure to specify:  $\frac{1}{2}$  H.P., 60 cycle, 3450 R.P.M., 50 cycle, 2850 R.P.M. 110 or 120 volt A.C.; or 110 or 120 volt D.C. Single Phase motors. If two or three phase is desired, specify on order.

Each

No. 2035—7 in. grinder,  $\frac{1}{2}$  H.P. motor; wt. each 100 lbs... \$60.00

No. 2038—Same as above except equipped with No. 455 wire brush .... 60.00



## 6 Inch Heavy Duty

A heavy duty ball bearing grinder. Ball bearings are oil packed and sealed, requiring no further lubrication. Complete as shown with adjustable tool rests, enclosed type guards, two 6x $\frac{3}{4}$ x $\frac{1}{2}$  in. grinding wheels, one coarse and one fine, 10 ft. of electric cord, attachment plug and switch.

Equipped with one of the following motors—be sure to specify: All  $\frac{1}{4}$  H.P. motors, 60 cycle, 3450 R.P.M. or 50 cycle, 2850 R.P.M. Single Phase motors, if two or three phase is desired, specify in order. 110 or 220 volt D.C. motor can also be furnished at a slight additional charge.

Each

No. 2005—6 in. grinder,  $\frac{1}{4}$  H.P. motor; wt. each 70 lbs. .... \$42.00

No. 2010—Same as above except equipped with No. 451 wire brush .... 42.00

## BENCH GRINDERS

SIOUX

## 6 Inch

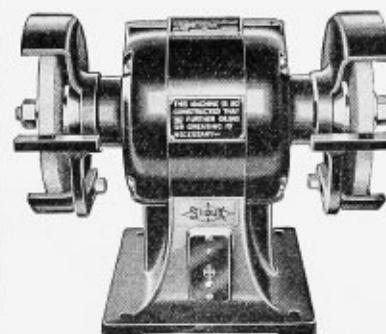
A continuous duty, dust proof, ball bearing grinder. Ball bearings are all packed and sealed, requiring no further lubrication.

Complete with adjustable tool rests and two 6x $\frac{3}{4}$ x $\frac{1}{2}$  in. grinding wheels, one fine and one coarse.

Equipped with one of the following motors—be sure to specify  $\frac{1}{4}$  H.P., 110 or 220 volt A.C. 60 cycle, 3450 R.P.M., or 50 cycle, 2850 R.P.M. May also be furnished in 32, 110 or 220 volt D.C. at a slight additional cost.

Each

No. 2065—6 in. grinder;  $\frac{1}{4}$  H.P. motor; wt. each 46 lbs.... \$32.00



## 6 Inch

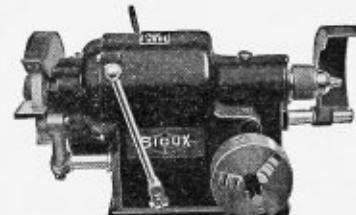
A dust proof ball bearing grinder. Ball bearings are oil packed and sealed, requiring no further lubrication.

Complete with tool rests and two 6x $\frac{3}{4}$ x $\frac{1}{2}$  in. grinding wheels, one coarse and one fine; 8 ft. cord, attachment plug and switch.

Each

No. 2070—6 in. grinder;  $\frac{1}{4}$  H.P. motor; wt. each 42 lbs.... \$23.50

## SIOUX UTILITY MACHINE



## With Two Chucks

The 5 inch reamer drive chuck may be operated at any of the following speeds: slow speed of 29 R.P.M., intermediate speed of 46 R.P.M., and high speed of 69 R.P.M.

The  $\frac{5}{8}$  inch chuck is driven at motor speed. Very useful for buffing, polishing and wire brush cleaning. A guard is provided for use with this chuck.

A 7x $\frac{3}{4}$ x1 inch grinding wheel is furnished. Ideal for tool and general purpose grinding. The guard and tool rest are adjustable to the size of the wheel.

**Braking Device**—When the switch is turned off and pressure is applied to the switch and brake lever it immediately brings the chucks and grinding wheel to a stop.

Equipped with one of the following motors:  $\frac{1}{2}$  H.P. motor, 60 cycle, 110-220 volt, 3450 R.P.M. or 50 cycle 110-220 volt, 2850 R.P.M.; 110 and 220 volt, D.C. motors.

The above motors are 1 phase. If 2 or 3 phase motors are desired, be sure to specify on order. Same price applies.

Each

No. 2000—7 in. grinding wheel;  $\frac{1}{2}$  H.P. motor; wt. each 170 lbs.... \$165.00

**NOTE—All Prices on this Page are Dealers Net Prices.**